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EXPRESS MAIL NO.: EV380370500US **DATE MAILED: December 17, 2004**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	
Jack HOU, *et al.*	Art Unit: 1756
Application No. 10/683,869	Confirmation No.: 7895
Filed: October 9, 2003	Examiner: Not Yet Assigned
For: **IMPROVED ELECTROPHORETIC DISPERSIONS**	Attorney Docket: 07783.0071.NPUS01

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may

not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. § 120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

■ 1. This Information Disclosure Statement is being filed;

- ☐ a. Within three months of the U.S. filing date of a national application other than a continued prosecution application under §1.53(d);
- ☐ b. Within three months of the date of entry of the national stage as set forth in §1.491 in an international application;
- ■ c. Before the mailing date of a first Office Action on the merits;
- ☐ d. Before the mailing of a first Office Action after filing of a request for continued examination under § 1.115.

No statement under 37 C.F.R. § 1.97(e) or fee is required.

or;

☐ 2. This Information Disclosure Statement is being filed after the period specified in paragraph 1(a)-1(d) above, but before the mailing date of a Final Rejection or Notice of Allowance, or action that otherwise closes prosecution in the application, and

- ☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or
- ☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent

office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2), or

☐ c. Attached is our Check No. _____ in the amount of $ _____ in payment of the fee under 37 C.F.R. § 1.17(p).

☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but on or before payment of the Issue Fee. Attached is our Check No. _____ in the amount of $ _____ in payment of the fee under 37 C.F.R. § 1.17(i), and

☐ a. I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1), or

☐ b. I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐ 4. Relevance of the non-English language document(s) is discussed in the present specification.

☐ 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.

☐ 6. A concise explanation of the relevance of the non-English language document(s) appears below:

☐ 7. The Examiner's attention is directed to co-pending U.S. Patent Application No. _____, filed _____, which is directed to related technical subject matter. The identification of this U.S. Patent Application is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

☐ 8. Copies of the documents were cited by or submitted to the Office in Application No. _____, filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 08-3038 referencing docket number **07783.0071.NPUS01**.

Respectfully submitted,

Date: December 17, 2004

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INFORMATION DISCLOSURE CITATION PTO-1449	ATTY. DOCKET NO. 07783.0071.NPUS01	SERIAL NO. 10/683,869
	APPLICANTS : **Jack Hou, *et al.***	
	FILING DATE: **10/09/2003**	GROUP: **1756**

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U.S. PATENT DOCUMENTS

EX'R INITIAL	PATENT NO.	DATE MM-YYYY	NAME	CLASS	SUBCLASS	FILING DATE
	3,281,426	10-1966	Van Dyke Tiers			
	3,612,758	10-1971	Evans et al			
	4,059,451	11-1977	Oita et al			
	4,077,936	03-1978	Tanaka et al			
	4,085,137	04-1978	Mitsch et al			
	4,094,911	06-1978	Mitsch et al			
	4,285,801	08-1981	Chiang			
	4,655,897	04-1987	Di Santo et al			
	5,177,476	01-1993	Di Santo et al			
	5,930,026	07-1999	Jacobson et al			
	5,961,804	10-1999	Jacobson et al			
	6,084,057	07-2000	Gibbons et al			
	6,162,521	12-2000	Falcone			
	6,187,954	02-2001	Falcone			
	6,239,896	05-2001	Ikeda			
	6,672,921 (USSN 09/606,654)	01-2004	Liang et al			
	6,781,745 (USSN 10/242,335)	08-2004	Chung et al			
	6,806,995 (USSN 10/282,444)	10-2004	Chung et al			
	2002/131152	09-2002	Liang et al			
	USSN 09/518,488	03-2000	Liang et al			
	USSN 09/784,972	02-2001	Chan-Park et al			
	USSN 10/335,051	12-2002	Chen et al			

	USSN 10/335,210	12-2002	Chen et al			
	USSN 10/439,428	05-2003	Li et al			
	USSN 10/632,171	07-2003	Yu et al			

FOREIGN PATENT DOCUMENTS

EX'R INITIAL	PATENT NO.	DATE MM-YYYY	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 01/67170	09-2001	Liang et al				
	WO 02/01281	01-2002	Liang et al				
	WO 02/65215	08-2002	Chan-Park et al				
	WO 03/23510	03-2003	Chung et al				
	WO 03/38512	05-2003	Chung et al				
	WO 03/57360	07-2003	Zang et al				
	WO 03/58335	07-2003	Wu et al				
	PCT Search Report	02-2004	PCT				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EX'R INITIAL	DOCUMENT
	Allen, K. (2003, October). Electrophoretics Fulfilled. *Emerging Displays Review: Emerging Display Technologies, Monthly Report - Octomber 2003,* 9-14.
	Caporiccio, et al, "Low Temperature Elastomeric Polyamides Containing Perfluorinated Polyether Building Blocks", Makromol. Chem., 184, 935-947, (1983).
	"Cationic Surfactants: Organic Chemistry", *Surfactant Science Series,* Vol. 34, Marcel Dekker, (1990)
	Chen, S.M. (2003, July) The Applications for the Revolutionary Electronic Paper Technology. *OPTO News & Letters*, 102, 37-41. (in Chinese, English abstract attached, full translation available upon request)
	Chen, S.M. (2003, May) The New Applications and the Dynamics of Companies. *TRI.* 1-10. (In Chinese, English abstract attached, full translation availabe upon request)
	Green, F.J., "*The Sigma-Aldrich Handbook of Stains, Dyes, and indicators*", Aldrich Chemical Co., (1990).
	Gregory, P., "*High Technology Applications of Organic Colorants*", Plenum Publishing Corp., (1991).
	Diamond, A.S., et al "*Handbook of Imaging Materials*", Marcel Dekker, (2002) (2001 edition is not available).
	Hopper, M.A., et al, "An Electrophoretic Display, Its Properties, Model, and Addressing", *IEEE Trans. Electr. Dev.*, 26(8): 1148-1152 (1979).
	Journal of Polymer Science, Part A: Polymer Chemistry, Vol. 37, 557-570 (1999).

	Journal of Polymer Science, Part A: Polymer Chemistry, Vol. 38, 2579-2602 (2000).
	Journal of Polymer Science, Part A: Polymer Chemistry, Vol. 40, 3771-3795 (2002).
	Lee, H., & Liang, R.C. (2003, June) SiPix Microcup(R) Electronic Paper – An Introduction. *Advanced Display,* 3, 4-9 (in Chinese, English abstract attached, full translation available upon request)
	Liang, R.C., Hou, J., Chung, J., Wang, X., Pereira, C., & Chen, Y. (2003). Microcup(R) Active and Passive Matrix Electrophoretic Displays by A Roll-to-Roll Manufacturing Processes. *SID Digest*, 20.1.
	Liang, R.C., Hou, J., & Zang, H.M. (2002, December) Microcup Electrophoretic Displays by Roll-to-Roll Manufacturing Processes. *IDW* , EP2-2, 1337-1340.
	Liang, R.C., Hou, J., Zang, H.M., & Chung, J. (2003, February). *Passive Matrix Microcup(R) Electrophoretic Displays*. Paper presented at the IDMC, Taipei, Taiwan.
	Liang, R.C., Hou, J., Zang, H.M., Chung, J., & Tseng, S. (2003). Microcup(R) displays : Electronic Paper by Roll-to-Roll Manufacturing Processes. *Journal of the SID,* 11(4), 621-628.
	Liang, R.C. (2003, February) *Microcup(R) Electrophoretic and Liquid Crystal Displays by Roll-to-Roll Manufacturing Processes*. Presentation conducted at the Flexible Microelectronics & Displays Conference of U.S. Display Consortium, Phoenix, Arizona, USA.
	Liang, R.C., & Tseng, S. (2003, February). *Microcup(R) LCD, An New Type of Dispersed LCD by A Roll-to-Roll Manufacturing Process*. Paper presented at the IDMC, Taipei, Taiwan.
	Malik, et al, "Synthesis of Fluorinated Diisocyanates", Journal of Organic Chemistry, 56, 3043-3044, (1991).
	Nikkei Microdevices. (2002, December) Newly-Developed Color Electronic Paper Promises – Unbeatable Production Efficiency. *Nikkei Microdevices, 3.* (in Japanese, with English translation)
	Ota, I., et al, "Developments in Electrophoretic Displays", *Proceeding of the SID*, 18(3&4), 243-254 (1977).
	Tonelli, et al, "Perfluoropolyether Functional of Polymer Oligomers: Unusual Reactivity in Organic Chemistry", Journal of Fluorine Chemistry, 118, 107-121 (2002).
	Zang, H.M., & Liang, R.C. (2003) Microcup Electronic Paper by Roll-to-Roll Manufacturing Processes. *The Spectrum,* 16(2), 16-21.

EXAMINER:	**DATE CONSIDERED:**

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

***If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identical in the statement and relied upon for an earlier filing date under 35 U.S.C. §120. 37 C.F.R. §1.98 (d).**